

FIG.1

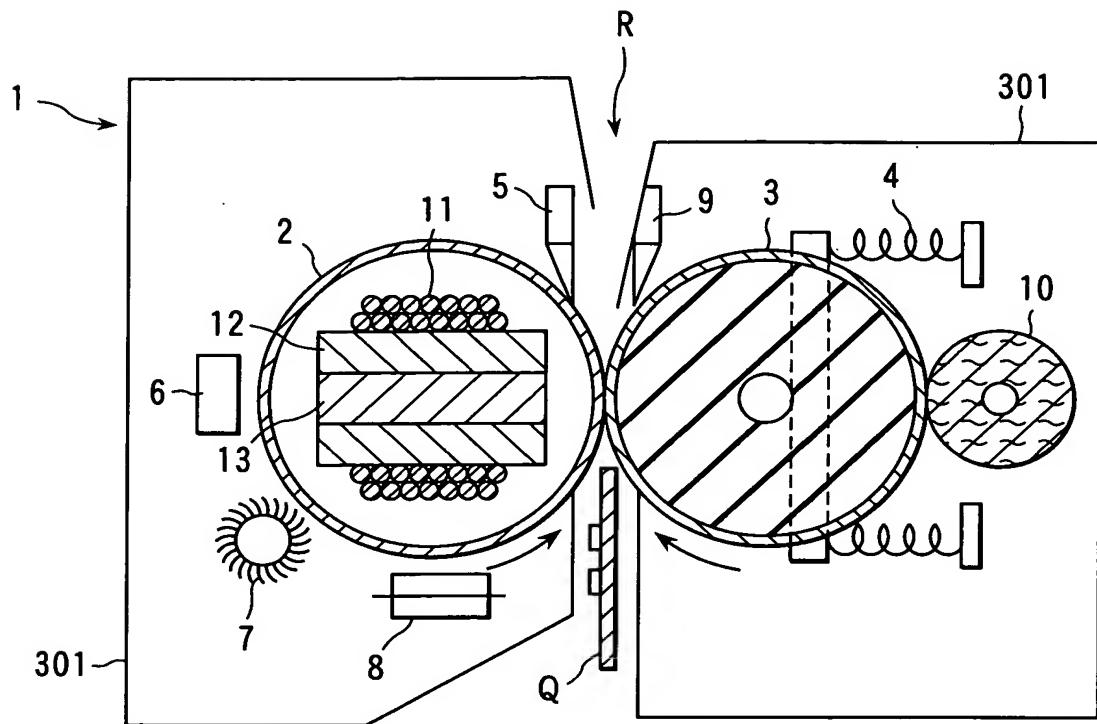


FIG. 2

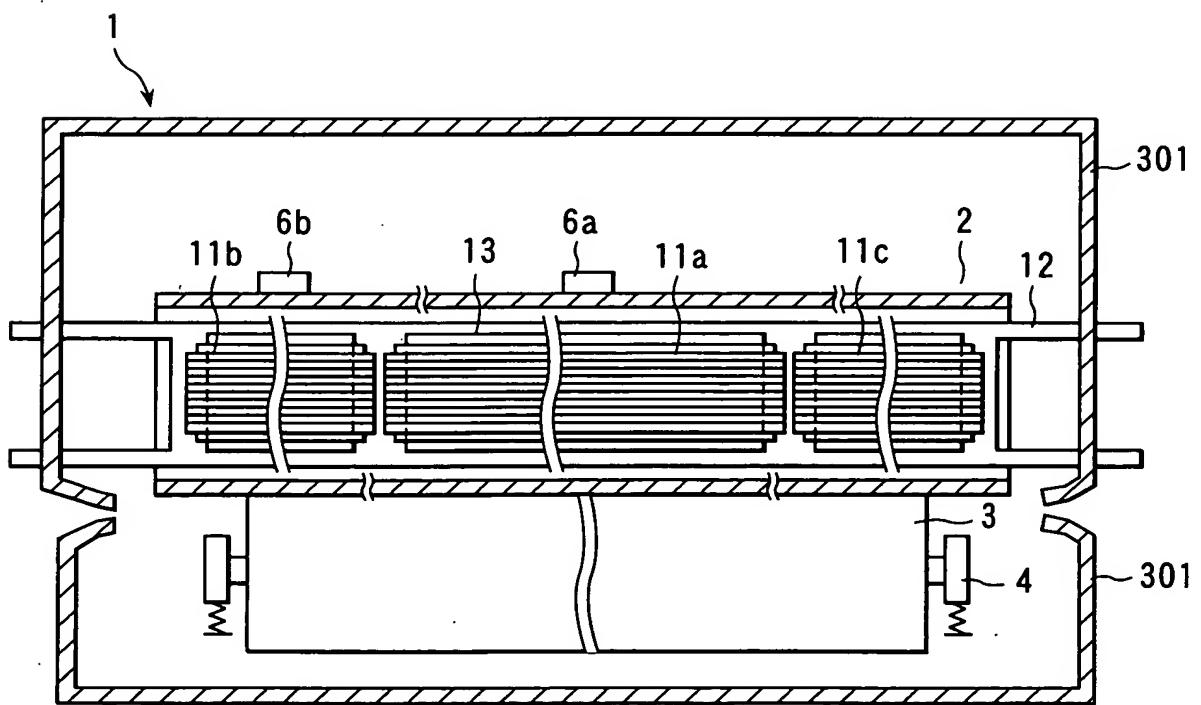


FIG. 3

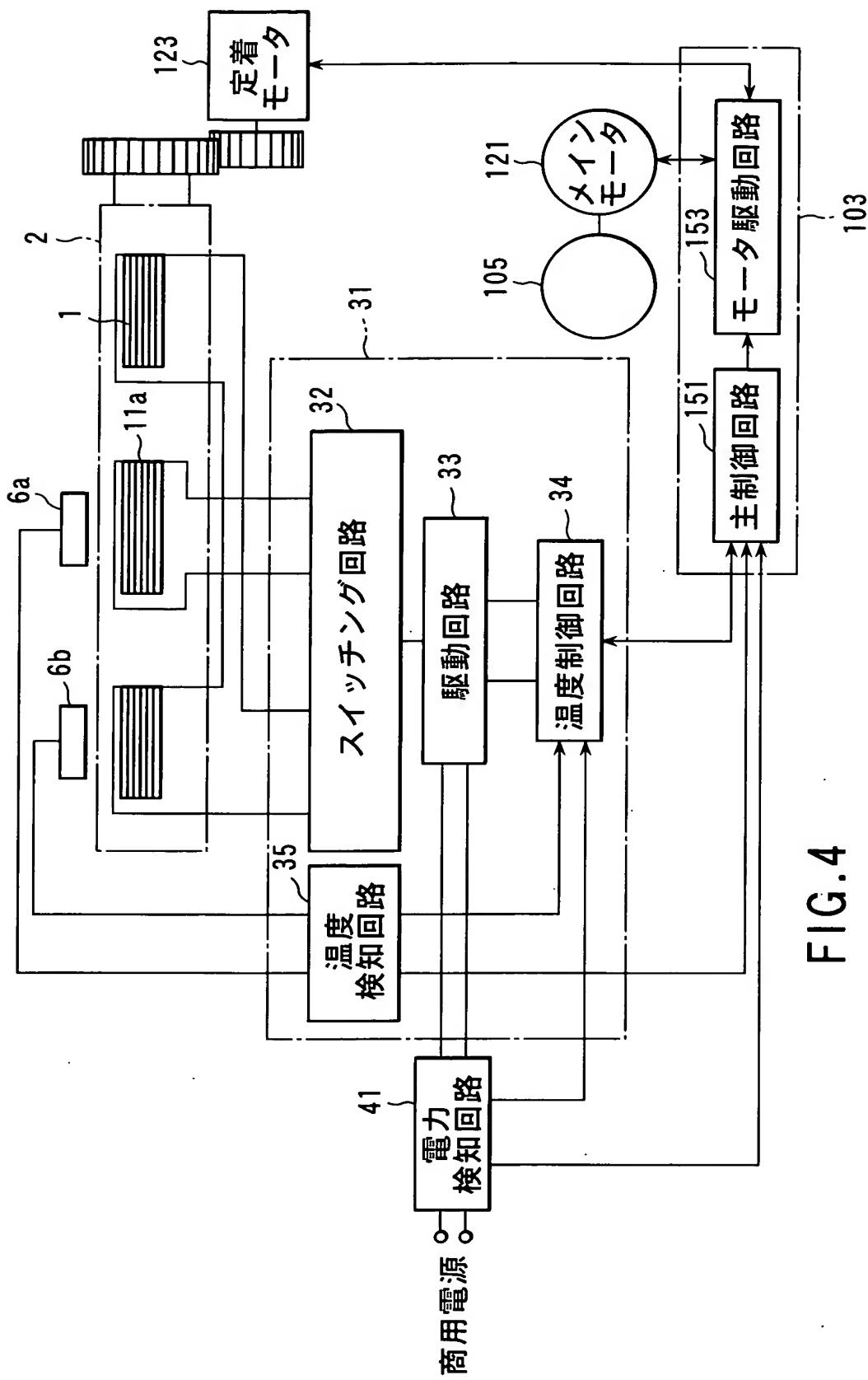


FIG.4

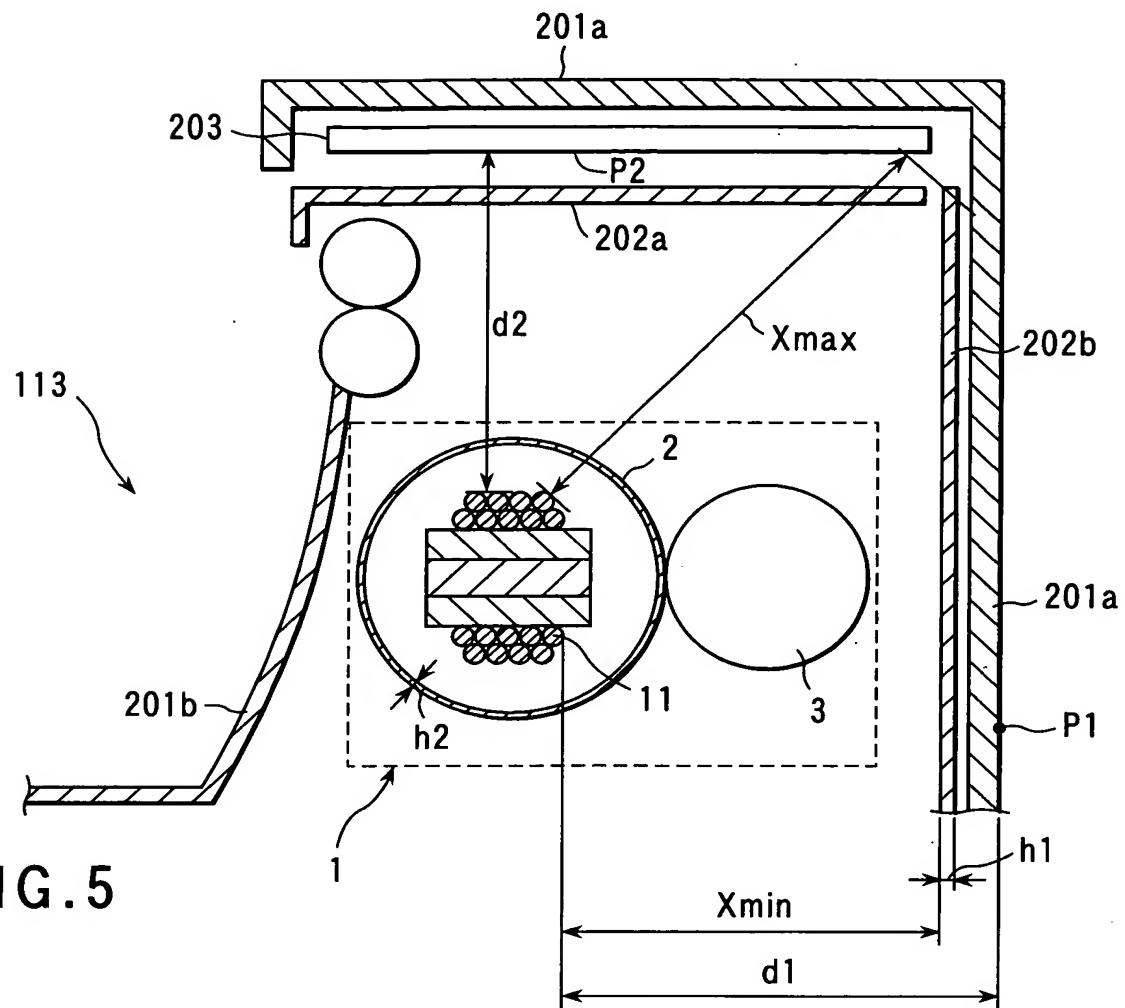
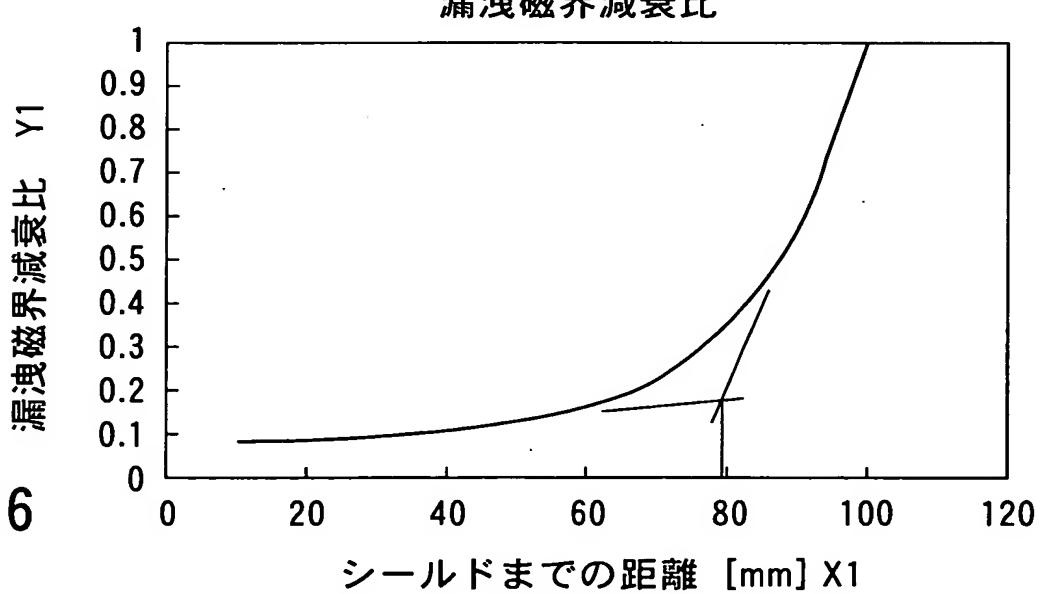


FIG. 5



使用周波数における各金属材料の表皮深さ [μm]

	銅	アルミ	鉄	ニッケル
20kHz	14.78	17.80	35.60	29.07
40kHz	10.45	12.59	25.17	20.55
60kHz	8.53	10.28	20.55	16.78
80kHz	7.39	8.90	17.80	14.53
100kHz	6.61	7.96	15.92	13.00

FIG.7

FIG.8

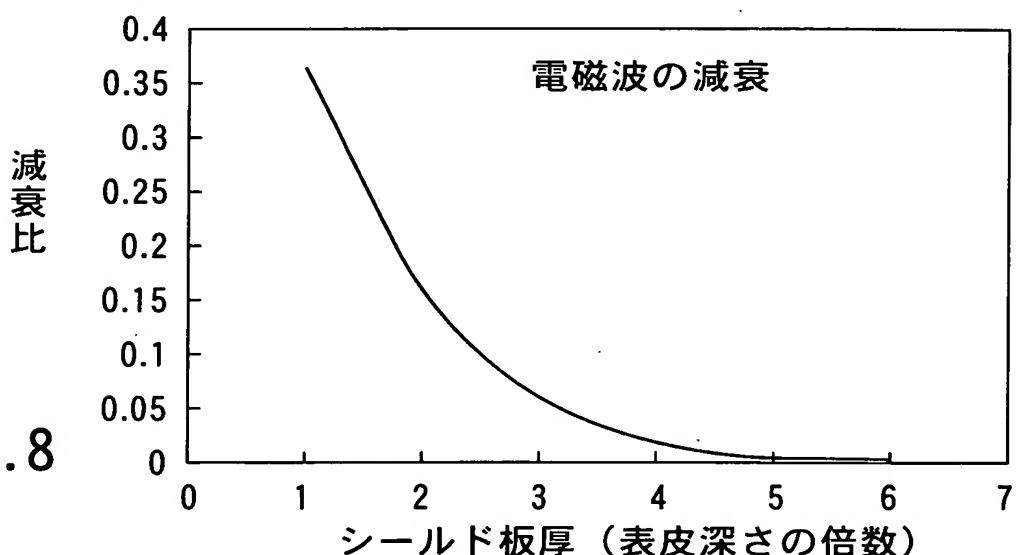
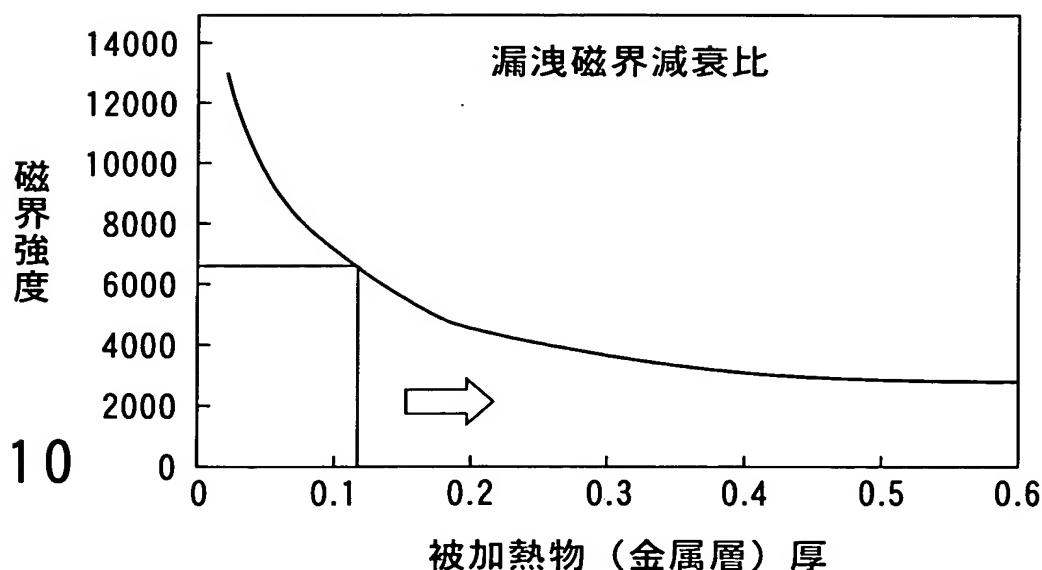


FIG.10



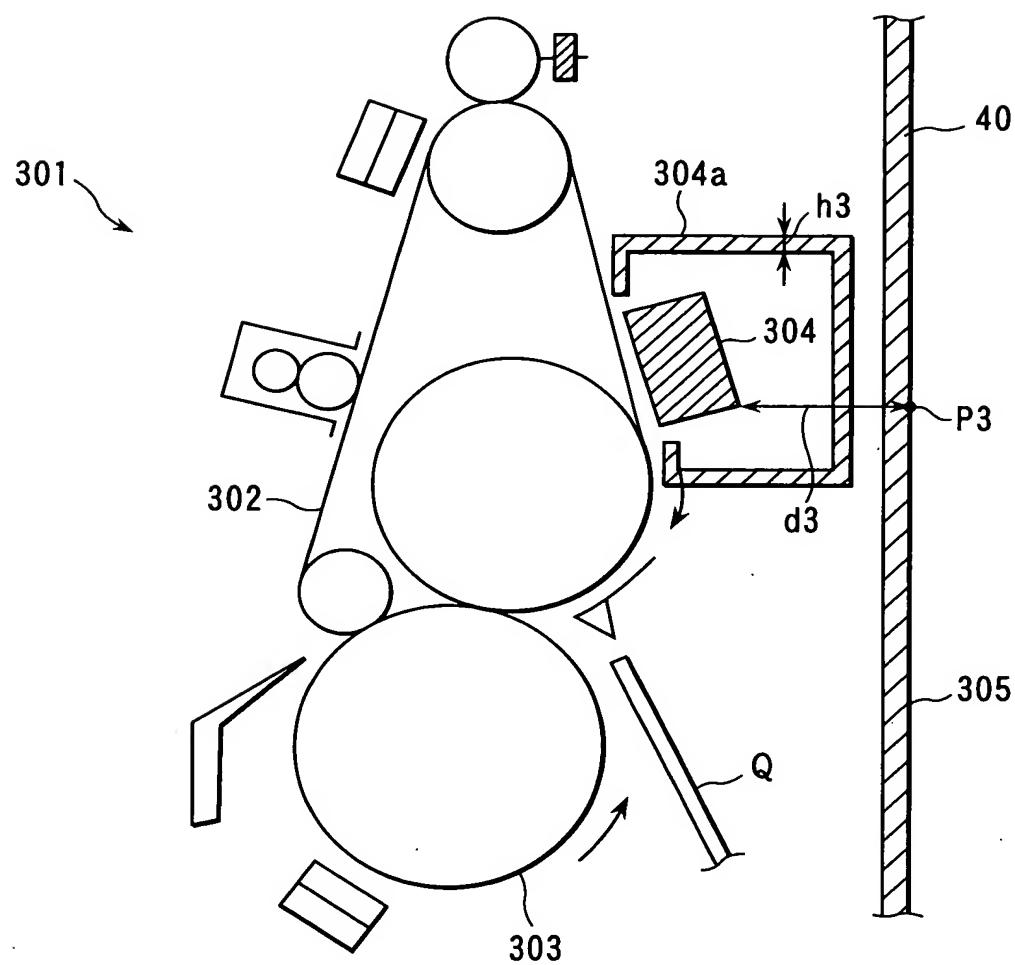


FIG. 9